Game Changing Development

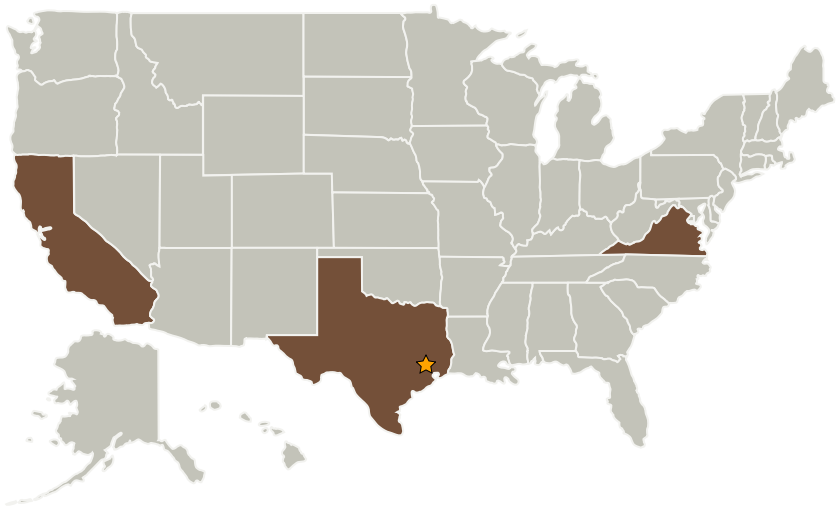
Asteroid Capture Robotics

Completed Technology Project (2014 - 2015)

Project Introduction

TALISMAN greatly improves the state-of-the-art in space robotics by significantly increasing manipulator reach and dexterity while reducing mass and complexity. It provides new capabilities that can be used for asteroid retrieval missions and other activities, such as astronaut positioning, payload retrieval, in-space assembly and satellite servicing.

Primary U.S. Work Locations and Key Partners



Organizations Performing Work	Role	Type	Location
★Johnson Space Center(JSC)	Lead Organization	NASA Center	Houston, Texas

Primary U.S. Work Locations	
California	Texas
Virginia	

Project Transitions

October 2014: Project Start

Asteroid Capture Robotics

Table of Contents

Organizational Responsibility

Responsible Mission Directorate:

Space Technology Mission Directorate (STMD)

Lead Center / Facility:

Johnson Space Center (JSC)

Responsible Program:

Game Changing Development

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September 2015: Closed out

Stories

2015-07-30 JPL Hedgehog
(https://techport.nasa.gov/file/164917)

Project Website:

https://www.nasa.gov/directorates/spacetech/home/index.html

Project Management

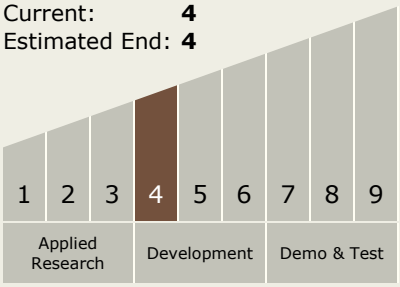
Program Director:
Mary J Werkheiser

Program Manager:
Gary F Meyering

Principal Investigator:
William J Bluethmann

Technology Maturity (TRL)

Start: **4**
Current: **4**
Estimated End: **4**



Target Destinations

The Moon, Mars, Others Inside the Solar System